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## **UTILITY** PATENT APPLICATION

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Attorney Docket No.	1875.3880002
First Inventor	Miguel Peeters
Title	Systems and Methods for Pseudo-Random Signal Generation in a Multi-Carrier Communications System
Express Mail Label No.	

120		SIVITITIAL  applications under 37 CFR 1.53(b))					Signal Genera Communication	ition in a Multi-Ca ons System	ırrier	
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S.PIO		N ELEMENTS g utility patent application contents.	AD	DRE	ESS TO	);	Mail Stop Paten Commissioner f P.O. Box 1450 Alexandria VA	for Patents		
1.	(Submit an original, and a duple See 37 CFR 1.27.  Specification (preferred arrangement set forth - Descriptive title of the Inventio - Cross Reference to Related Ap - Statement Regarding Fed spon - Reference to sequence listing, or a computer program listing a - Background of the Invention - Brief Summary of the Inventio - Brief Description of the Drawi - Detailed Description - Claim(s) - Abstract of the Disclosure  Drawing(s) (35 U.S.C. 11 ath or Declaration  a. Newly executed (orig	Total Pages 26 ]  In the low on policiations sored R & D a table. appendix on mags (if filed)  Total Pages 1 ]  [Total Pages 1 ]  [Total Pages 1 ]  [Total Pages 1 ]	a t	(A) Nucleo (if a)  a.   D. Spe	pendix) price and/ pricable Comput cification i.  Statemen  ACC  Assignm  37 CFR (when the English	or Arra, all ne er Reac Sequer CD-R paper nts veri CMP.  CMP	-R in duplicate inno Acid Sequessary)  dable Form (CF nee Listing on:  COM or CD-R (  difying identity of the company of the c	te, large table or quence Submission  (2 copies); or  of above copies  PPLICATION P  et & document(s))  Power of Att	on 031356 U.S. PTO 10/755464 tomes	ogram
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or in a	In Application Data Sheet under .  Continuation Division  Prior application information:  DIVISIONA	_	P) e prios al app	of pi	ior applic cation, fro	ation N  Art Un	lo:/	eclaration is suppli	ed under Box	5b, is n only
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	E (Print/Type) Michael V. I	Messinger A Ma	· ·	Reg	istration N	Vo. (Atte	orney/Agent)	37,575		

Date January 13, 2004 This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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•	Complete if Known					
· FEE TRANSMITTAL	Application Number	t b assign d				
ದ for FY 2004	Filing Date	January 13, 2004				
Fifective 10/01/2003. Patent fees are subject to annual revision.	First Named Inventor	Miguel Peeters				
Applicant claims small entity status. See 37 CFR 1.27	Examiner Name	t be assigned				
PAL AMOUNT OF PAYMENT (\$1770.00	- Art Unit	t b assigned				

TOTAL AMOUNT OF PAYMENT (\$)770.00	_ [	Art Unit t			t b	b assigned		
TO		Attorney Docket No. 1875.38			1875.	5.3880002		
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
☐ Check  ☐ Credit card ☐ Money Order ☐ Other** ☐ None	3. ADDITIONAL FEES							
☐ Check ☐ Credit card ☐ Money Order ☐ Other** ☐ None ** Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.		arge Entity Small Entity						
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Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	1051	130	2051	65	Surcharge - lat	te filing fee or oath		
The Commissioner is authorized to: (check all that apply)	1502	50	2052	25	Surcharge-late sheet	e provisional filing fee or cover		
☐ Charge fee(s) indicated below ☐ Credit any over payments	1053	130	1053	130	Non-English sp	pecification		
☐ Charge any additional fee(s) during the pendency of this	1812	2,520	1812	2,520	For filing a requ	uest for ex parte reexamination		
application	1804	920*	1804	920*	Requesting pul	blication of SIR prior to Examir	er	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*	action Requesting pul	blication of SIR after Examiner		
	1005	1,040	1003	1,040	action	blication of SIR after Examiner		
	1251	110	2251	55	Extension for re	eply within first month		
	1252	420	2252	210		reply within second month		
FEE CALCULATION	1253	950	2253	475		reply within third month		
1. BASIC FILING FEE	1254	1,480		740		eply within fourth month		
Large Entity Small Entity	1255	2,010				eply within fifth month		
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1001 770 2001 385 Utility filing fee \$770.00	1402	330	2402	165	Filing a brief in	support of an appeal		
1002 340 2002 170 Design filing fee	1403	290	2403	145	Request for ora	al hearing		
1003 530 2003 265 Plant filing fee	1451	1,510	1451	1,510	Petition to insti	itute a public use proceeding		
1004 770 2004 385 Reissue filing fee	1452	110	2452	55	Petition to reviv	ve - unavoidable		
1105 160 2005 80 Provisional filing fee	1453	1,330	2453	665	Petition to reviv	ve - unintentional		
SUBTOTAL (1) (\$) 770.00	1501	1,330	2501	665	Utility issue fee	e (or reissue)		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1502	480	2502	240	Design issue fe	ee		
Fee from Extra below Fee Paid	1503	640	2502	220	Plant issue for		<u> </u>	
Total Claims 18 - 20** = 0 X =	1503	040	2503	320	Plant issue fee			
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Multiple Dependent =	1807	50	1807	50	Processing fee	e under 37 CFR 1.17(q)		
	1806	180	1806	180	Submission of	Information Disclosure Stmt		
Large Entity Small Entity Fee Fee Fee Fee Fee Fee Description	0004	40	0004	40	<b>5</b>	h		
Code (\$)   Code (\$)	8021	40	8021	40	property (times	th patent assignment per s number of properties)		
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submis 1.129(a))	ssion after final rejection (37 CF	R	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	,	ional invention to be examined	-	
1204 86 2204 43 **Reissue independent claims	1801	770	2801	385		ontinued Examination (RCE)	<b> </b>	
over original patent			2001	303	request for oc	ontinued Examination (NCE)		
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and over original patent	Other	fee (spe	cify)				J	
SUBTOTAL (2) (\$)NONE	* Red	uced by	Basic I	Filina Fa	ee Paid	SUBTOTAL (3) (\$)	NONE	
**or number previously paid, if greater; For Reissue, see above				9				
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Name (Print/Type) Michael V. Messinger		tration N ney/Ager			37,575	Telephone 202-3	71-2600	
Signature ///V <sub>Vi</sub> //V <sub>W</sub>	Brv	4				Date January	13, 2004	

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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January 13, 2004

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Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 Mail Stop Patent Application

031356 U.S. PTO 10/755464

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. to be assigned; Filed: January 13, 2004

For: Systems and Methods for Pseudo-Random Signal Generation in a Multi-Carrier Communications Systems

Inventors:

Miguel Peeters et al.

Our Ref:

1875.3880002

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Systems and Methods for Pseudo-Random Signal Generation in a Multi-Carrier Communications Systems

and naming as inventors:

Miguel Peeters; and Raphael Cassiers

Commissioner for Patents January 13, 2004 Page 2

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A specification containing:
  - i. <u>21</u> pages of description prior to the claims;
  - ii. <u>4</u> pages of claims (<u>18</u> claims 3 independent claims);
  - iii. a one (1) page abstract;
- c. <u>13</u> sheets of drawings: (Figures <u>1-13</u>);
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Form PTO-2038 Credit Card Payment Form to cover: \$\frac{770.00}{2}\$ Filing fee for patent application; and
- 6. Two (2) return postcards.

This patent application is being submitted under 37 C.F.R. § 1.53(b) without Declaration.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michael V. Messinger Attorney for Applicants Registration No. 37,575

MVM:jmh ::ODMA\MHODMA\SKGF\_DC1;218547;1 SKGF Rev. 2/12/02 dcw; 9/5/02 mac; 4/29/03 svb IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Miguel Peeters et al.

Appl. No. to be assigned

Filed: January 13, 2004

For:

Systems and Methods for Pseudo-

Random Signal Generation in a Multi-Carrier Communications

System<sub>3</sub>

Confirmation No. to be assigned

Art Unit: to be assigned

Examiner: to be assigned

Atty. Docket: 1875.3880002

Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michael V. Messinger Attorney for Applicants Registration No. 37,575

Date: January 13, 2004 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 ::ODMA\MHODMA\SKGF DC1;218548;1